PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Application of	)	
	)	For: ITERATIVE DETECTION AND
BJERKE et al.	)	DECODING FOR A MIMO-OFDM
	)	SYSTEM
	)	
Serial No. 10/005,104	)	Examiner: QUTBUDDIN GHALAMALI
	)	
Filed: December 3, 2001	)	Group No. 2637

INFORMATION DISCLOSURE STATEMENT

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

Applicants submit herewith, in accordance with 37 CFR § 1.98, the patents, publications and other information listed on the enclosed Form PTO-1449.

CERTIFICATE OF MAILING/TRANSMISSION (37 CFR 1.8(a))

I hereby certify that this correspondence is, on the date shown below, being:

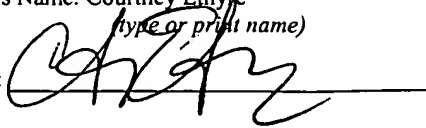| *MAILING*	*FACSIMILE*
☒ deposited with the United States Postal Service with sufficient postage as first class mail, in an envelope addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.	☐ transmitted by facsimile to the Patent and Trademark Office.
	Depositor's Name: Courtney Etnyre
	(type or print name)
	Signature:
Date: February 6, 2006	

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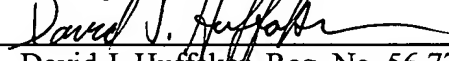(IDS_After1stOA(payfee).VER1.2-4/30/04)

The references submitted herewith are those of which Applicants are aware, which they believe may be material to the examination of this application and, with respect to which there may be a duty to disclose in accordance with 37 CFR § 1.56. While the references identified may be material to the examination of this application pursuant to 37 CFR § 1.56, the citation of these references is not intended to constitute an admission that any reference referred to herein is prior art to the invention of this application unless specifically designated as such. Additionally, the filing of this Information Disclosure Statement shall not be construed to mean that any search has been made or, that if made, such search was complete or exhaustive, or that no other material information as defined in 37 CFR § 1.56 exists.

This Information Disclosure Statement is being submitted in accordance with 37 CFR § 1.97(c). A list of the references is set forth on Form PTO-1449, which is enclosed herewith, along with a copy of each cited reference (copies of U.S. references are not enclosed). Applicants respectfully request that the Examiner return to Applicants a copy of the Form PTO-1449 indicating consideration of the references cited thereon.

Please charge Deposit Account No. 17-0026 of QUALCOMM Incorporated in the amount of $180.00 for the fee set forth in 37 CFR § 1.17(p). The Commissioner is hereby further authorized to charge payment of any additional fees that may be required, or credit any overpayment, to Deposit Account No. 17-0026. A duplicate of this sheet is enclosed.

Respectfully submitted,

Dated: February 6, 2006

By: David J. Huffaker, Reg. No. 56,771
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FORM PTO-1449 (REV. 7-80)	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT BY APPLICANT *(Use several sheets if necessary)* DATE MAILED: October 25, 2005	ATTY. DOCKET NO. 010548	SERIAL NO. 10/005,104

ATTY. DOCKET NO. 010548	SERIAL NO. 10/005,104
APPLICANT Bjerke et al	
FILING DATE December 3, 2001	GROUP 2637

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
	A1	6 3 0 7 8 8 2	10/23/2001	Marzette	375	224	
	A2						
	A3						
	A4						
	A5						
	A6						

U.S. PATENT APPLICATION PUBLICATION DOCUMENTS

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	B1						
	B2						

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	Ref No	DOCUMENT NUMBER	DATE	COUNTRY	NAME	CLASS	SUB CLASS
	C1						
	C2						
	C3						
	C4						
	C5						

OTHER PRIOR ART *(Including Author, Title, Date, Pertinent Page, Etc.)*

	D1	Choi et al "Concatenated Space-Time Block Coded And Turbo Coded Symbol-By-Symbol Adaptive OFDM and Multi-Carrier CDMA Systems" IEEE (June 2001)
	D2	Keller et al "Adaptive Modulation Techniques for Duplex OFDM Transmission" IEEE, Vol. 49, No. 5 (September 2000)
	D3	Golden et al " Detection algorithm and initial laboratory results using V-BLAST space-time communication architecture" Electronics Letters Vol. 35, No. 1 (January 7, 1999)

EXAMINER	DATE CONSIDERED

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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	C3						
	C4						
	C5						

OTHER PRIOR ART *(Including Author, Title, Date, Pertinent Page, Etc.)*

	D4	Ariyavisitakul, "Turbo Space-Time Processing To Improve Wireless Channel Capacity" IEEE, Vol. 48, No. 8 (August 2000)
	D5	Stefanov et al "Turbo-Coded Modulation for Systems With Transmit And Receive Antenna Diversity Over Block Fading Channels: System Model, Decoding Approaches, and Practical Considerations" IEEE, Vol. 19, No. 5 (May 2001)
	D6	Benedetto et al "Serial Concatenation of Interleaved Codes: Performance Analysis, Design and Iterative Decoding" IEEE, Vol. 44, No. 3 (May 1998)

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	C3						
	C4						
	C5						

OTHER PRIOR ART *(Including Author, Title, Date, Pertinent Page, Etc.)*

	D7	Ten Brink, Stephan " Iterative Demapping and Decoding For Mutilevel Modulation" IEEE (1998)
	D8	Tarokh et al "Combined Array Processing And Space-Time Coding" IEEE Vol. 45, No. 4 (May 1999)
	D9	Bahl et al "Optimal Decoding of Linear Codes for Minimizing Symbol Error Rate" IEEE (March 1974)

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